

NEWS 8 Mar 22 TRCTHERMO no longer available
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and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2
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IFIUDB
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 May 31 PCTFULL to be reloaded. File temporarily unavailable.
NEWS 20 Jun 03 New e-mail delivery for search results now available

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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FILE 'HOME' ENTERED AT 06:59:12 ON 05 JUN 2002

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 06:59:22 ON 05 JUN 2002

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FILE COVERS 1907 - 5 Jun 2002 VOL 136 ISS 23
FILE LAST UPDATED: 3 Jun 2002 (20020603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> tetrasulfonate

424 TETRASULFONATE
33 TETRASULFONATES
L1 440 TETRASULFONATE
(TETRASULFONATE OR TETRASULFONATES)

=> disodium

26655 DISODIUM
2 DISODIUMS
L2 26657 DISODIUM
(DISODIUM OR DISODIUMS)

=> l1 and l2

L3 6 L1 AND L2

=> sodium chloride

747538 SODIUM
31 SODIUMS
747551 SODIUM
(SODIUM OR SODIUMS)
843535 CHLORIDE
127339 CHLORIDES
906955 CHLORIDE
(CHLORIDE OR CHLORIDES)
L4 83230 SODIUM CHLORIDE
(SODIUM(W)CHLORIDE)

=> l2 and l4

L5 1783 L2 AND L4

=> l3 and l4

L6 0 L3 AND L4

=> d l3 1-6 ti

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Sun protection beyond the sun protection factor - new efficient and photostable UV-A filters

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Reactions of indigosulfonates with carbonyl compounds

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI Disazo reactive dyes containing four halotriazine anchors and their use

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI Ion-pair chromatography of sulfonated copper phthalocyanine

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI Preparation and constitution of synthetic tanning agents. I. Formaldehyde condensation products of 2-naphthol-6-sulfonic acid and 2-naphthol-3,6-disulfonic acid

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI Mercurizing naphthalene derivatives

=> d l3 1 ti fbfib abs
 'FBFIB' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB

ALL ----- BIB, AB, IND, RE

APPS ----- AI, PRAI

BIB ----- AN, plus Bibliographic Data and PI table (default)

CAN ----- List of CA abstract numbers without answer numbers

CBIB ----- AN, plus Compressed Bibliographic Data

DALL ----- ALL, delimited (end of each field identified)

DMAX ----- MAX, delimited for post-processing

FAM ----- AN, PI and PRAI in table, plus Patent Family data

FBIB ----- AN, BIB, plus Patent FAM

IND ----- Indexing data

IPC ----- International Patent Classifications

MAX ----- ALL, plus Patent FAM, RE

PATS ----- PI, SO

SAM ----- CC, SX, TI, ST, IT

SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)

STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels

IALL ----- ALL, indented with text labels

IBIB ----- BIB, indented with text labels

IMAX ----- MAX, indented with text labels

ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms

HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms

HITRN ----- HIT RN and its text modification

HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields

FHITSTR ----- First HIT RN, its text modification, its CA index name, and its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields
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'D' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
'L3' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
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ABS ----- GI and AB
 ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
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 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
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 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
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 STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms

HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):end

=> d l3 1 ti fbib abs

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
 TI Sun protection beyond the sun protection factor - new efficient and photostable UV-A filters
 AN 2001:697012 CAPLUS
 DN 136:236620
 TI Sun protection beyond the sun protection factor - new efficient and photostable UV-A filters
 AU Osterwalder, U.; Luther, H.; Herzog, B.
 CS Ciba Specialty Chemicals, Technical Marketing UV Protection, Basel, CH-4002, Switz.
 SO SOFW Journal (2001), 127(7), 45-48,50-52,54
 CODEN: SOFJEE; ISSN: 0942-7694
 PB Verlag fuer Chemische Industrie H. Ziolkowsky
 DT Journal; General Review
 LA English
 AB A review. Today sunscreens are expected to protect not only against sun burn, but also against long term damaging effects. This means that UV-A filters become more and more important. Until recently the offering of such filters was very limited. With the year 2000 the situation started improving steadily. With MBBT (Methylene Bis-Benzotriazolyl Tetramethylbutylphenol), BEMT (Bis-Ethylhexyloxyphenol Methoxyphenyltriazine) and DPBT (**Disodium** Ph Dibenzimidazole **Tetrasulfonate**) three new, photostable UV-A and broadband filters have been added to the pos. list of the European cosmetic UV filters. Since the methods to assess UV-A protection are not harmonized in Europe, the Australian std. AS/NZS 2604 is frequently claimed in Germany. The application of the two relative in vitro methods .mchgt.crit. wavelength.mchlt. and .mchgt.UV-A/UV-B ratio.mchlt. shows that the highest protection class is significantly easier to achieve with the former one. The PPD method (Persistent Pigment Darkening) has become the in vivo std. in Japan. Its advantage is the abs. value and the fact that photostability is taken into account implicitly. This allows a comparison

of the conventional, unstable UV-A Filter BMDBM (Bis(2,4,6-trimethylbenzoyl)phenylmethane) with the modern photostable UV-A Filter MBBT. The new photostable UV-A/ Broadband filters are discussed and the first commercial applications of their use are also taken into consideration.

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> DPBT
 L7 8 DPBT

=> d l7 1-8 ti

- L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI Sun protection beyond the sun protection factor - new efficient and photostable UV-A filters
- L7 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI Mercury(II) and gold(III) derivatives of 2-phenyl pyridines and 2-phenyl-4-(methylcarboxylato)quinoline
- L7 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI Thermal behaviours of Co(II), Ni(II), Cu(II), and Pb(II) complexes of N,N-dipropyl-N'-benzoylthiourea
- L7 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI Allergens in rubber products
- L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI A stable free radical as donor: a layer-structure organic pressure sensor
- L7 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI A Pressure Sensitive Two-Dimensional Tetracyanoquinodimethane (TCNQ) Salt of a Stable Free Radical
- L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI Electrical conductivity of heterocyclic aromatic rigid-rod and ladder polymers: the effect of ion implantation
- L7 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS
 TI Developing a major pathway for peptide condensation: application of **DPBT** method in the synthesis of .alpha.-hANP

=> logoff hold

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	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

=> d his

(FILE 'HOME' ENTERED AT 06:59:12 ON 05 JUN 2002)

FILE 'CAPLUS' ENTERED AT 06:59:22 ON 05 JUN 2002

L1	440 TETRASULFONATE
L2	26657 DISODIUM
L3	6 L1 AND L2
L4	83230 SODIUM CHLORIDE
L5	1783 L2 AND L4
L6	0 L3 AND L4
L7	8 DPBT

=> ph

	1111461 PH
	8081 PHS
L8	1115150 PH

(PH OR PHS)

=> l1 and l8

L9 75 L1 AND L8

=> hcl

	541805 HCL
	37 HCLS
L10	541819 HCL

(HCL OR HCLS)

=> l9 and l10

L11 2 L9 AND L10

=> d l11 1-2 ti

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
TI Reactive phthalocyanine dyes

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
TI Dihydropyridine compounds. IV. N-Phenyl-o-dihydropyridine and N-p-methoxyphenyl-o-dihydropyridine

=> d 19 65-75 ti

L9 ANSWER 65 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI The oxidation-reduction stoichiometry and potential of microsomal cytochrome

L9 ANSWER 66 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Interaction of proteins and ions in solution. II. Association energy of serum albumin with organic anions

L9 ANSWER 67 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Reduction-oxidation potential of the juice of etiolated *Vicia faba*, and the changes in potential in some substrates under the action of enzymes from these plants

L9 ANSWER 68 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Dehydrogenases of molds. I. An oxidizing glucose dehydrogenase from *Aspergillus niger*

L9 ANSWER 69 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Further investigations on the blood-brain barrier. The significance of the electrical charge and the zeta-potential in the problem of the blood-brain barrier and capillary permeability in general

L9 ANSWER 70 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Dihydropyridine compounds. IV. N-Phenyl-o-dihydropyridine and N-p-methoxyphenyl-o-dihydropyridine

L9 ANSWER 71 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Oxidation-reduction potentials of derivatives of thioindigo. I. Thioindigo

tetrasulfonate

L9 ANSWER 72 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Applications of oxidation-reduction potential

L9 ANSWER 73 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI The colorimetric determination of oxidation-reduction potential and its application to brewing practice

L9 ANSWER 74 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Oxidation-reduction potentials of ascorbic acid

L9 ANSWER 75 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Apparent potential of solutions of reducing sugars

=> d 19 71,72 ti fbib abs

L9 ANSWER 71 OF 75 CAPLUS COPYRIGHT 2002 ACS

TI Oxidation-reduction potentials of derivatives of thioindigo. I. Thioindigo

tetrasulfonate

AN 1937:3024 CAPLUS

DN 31:3024

OREF 31:398b-c

TI Oxidation-reduction potentials of derivatives of thioindigo. I. Thioindigo

tetrasulfonate

AU Preisler, Paul W.; Hempelmann, Louis H.
SO J. Am. Chem. Soc. (1936), 58, 2305-8
DT Journal
LA Unavailable

AB The tetra-K salt of thioindigo **tetrasulfonate** (I) was prepd. after direct sulfonation of thioindigo with fuming H₂SO₄. The oxidation-reduction potentials of the system I-leuco-I was detd. for the **pH** range from 0 to 11.5. The orange-red oxidant is converted into the yellow reductant by a reaction involving 2 reduction equivs. per mole.

The consts. of the system established are E₀ = 0.409 v. and the first pK of the reductant is 4.5. Formation of a deeper red semiquinone was noted in the **pH** region from 8.5 to 11.5. Except in acid soln. of **pH** less than 2.5, the material is not particularly suitable as an oxidation-reduction indicator.

L9 ANSWER 72 OF 75 CAPLUS COPYRIGHT 2002 ACS
TI Applications of oxidation-reduction potential
AN 1936:60813 CAPLUS
DN 30:60813

OREF 30:8040h-i,8041a

TI Applications of oxidation-reduction potential

AU Deribere, M.

SO Tech. moderne (1936), 28, 574-6

DT Journal

LA Unavailable

AB Commercial applications of rH are given in brewing, baking, wineries, tanneries, paper mills, photography and chem. analysis. At **pH** 7.0 50% reduction was detd. with a number of indicators to find the rH range: neutral red 2-4, phenosafranine 5-7, K indigodisulfonate 8-10, trisulfonate 9.5-11.5, **tetrasulfonate** 11-13, methylene blue 13.5-15.5, thionine 15-17, toluidine blue, 1-naphthol-2-dichlorophenol-2-sulfonate of Na, and the analogous dibromo compd. 16-18; and phenol blue 20-22. For a series of indophenols (I) the following values were reported: 1-naphthol-2-I-sulfonate of Na and m-toluidinediamino-I 16.5-18.5, guaiacol-I-2,6-dibromophenol 17.5-19.5, thymol-I 18-20, o-cresol-I-2,6-dichlorophenol 18-20, o-cresol-I 19-21, and 20-22 for phenol-I-2,6-dichloro- or dibromophenol, o-chlorophenol-I-2,6-dichlorophenol, phenol-I, or o-bromo- or o-chlorophenol-I.

=> 14 and 19

L12 0 L4 AND L9

=> potassium chloride

428942 POTASSIUM

16 POTASSIUMS

428946 POTASSIUM

(POTASSIUM OR POTASSIUMS)

843535 CHLORIDE

127339 CHLORIDES

906955 CHLORIDE

(CHLORIDE OR CHLORIDES)

L13 41063 POTASSIUM CHLORIDE

(POTASSIUM(W)CHLORIDE)

=> 113 and 19

L14 0 L13 AND L9

=> d his

(FILE 'HOME' ENTERED AT 06:59:12 ON 05 JUN 2002)

FILE 'CAPLUS' ENTERED AT 06:59:22 ON 05 JUN 2002

L1 440 TETRASULFONATE
L2 26657 DISODIUM
L3 6 L1 AND L2
L4 83230 SODIUM CHLORIDE
L5 1783 L2 AND L4
L6 0 L3 AND L4
L7 8 DPBT
L8 1115150 PH
L9 75 L1 AND L8
L10 541819 HCL
L11 2 L9 AND L10
L12 0 L4 AND L9
L13 41063 POTASSIUM CHLORIDE
L14 0 L13 AND L9

=> pk

20251 PK
1437 PKS
L15 21487 PK
(PK OR PKS)

=> l1 and l15

L16 1 L1 AND L15

=> d l16 ti fbib abs

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

TI Oxidation-reduction potentials of derivatives of thioindigo. I.
Thioindigo

tetrasulfonate

AN 1937:3024 CAPLUS

DN 31:3024

OREF 31:398b-c

TI Oxidation-reduction potentials of derivatives of thioindigo. I.
Thioindigo

tetrasulfonate

AU Preisler, Paul W.; Hempelmann, Louis H.

SO J. Am. Chem. Soc. (1936), 58, 2305-8

DT Journal

LA Unavailable

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=>



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